

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

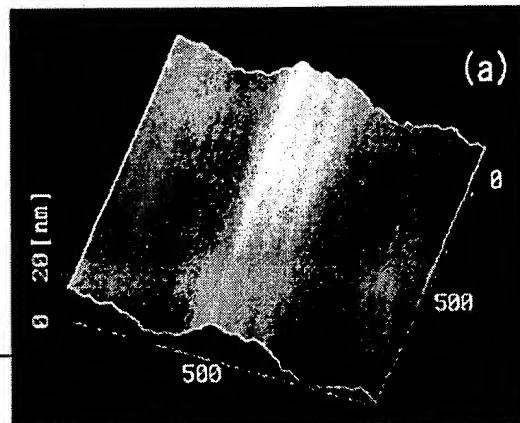
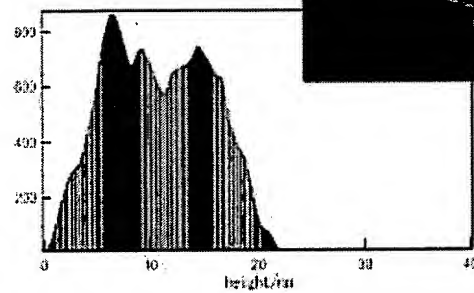
**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**



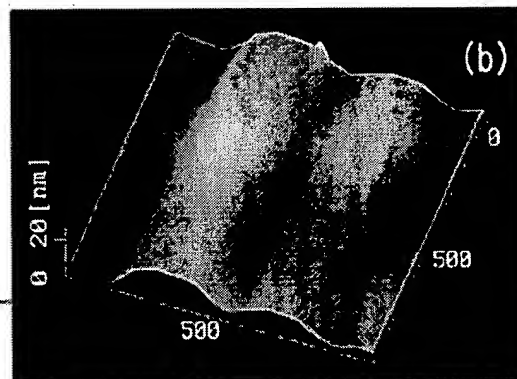
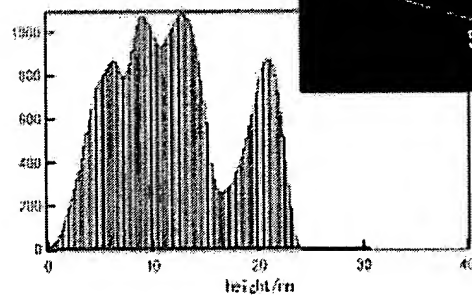
Reference Fig1

Surface of diamond  
after inclined po-  
lishing



← Height histogram  
of surface

Surface of diamond  
after exposing to  
H<sub>2</sub> plasma for 30  
minutes

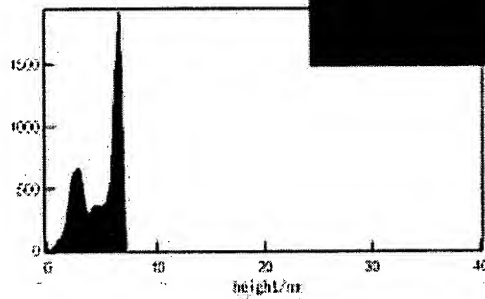


← Height histogram  
of surface

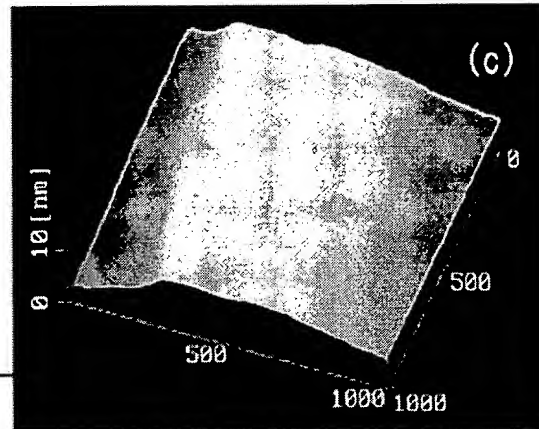
microwave power:500W, substrate temperature:830° C



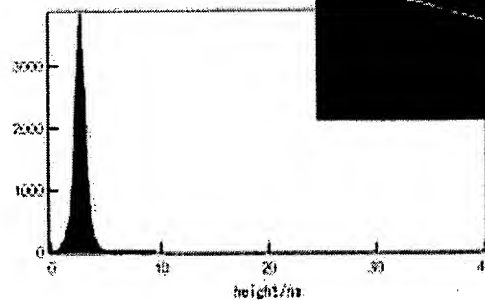
Surface of diamond  
after exposing  
 $H_2$  plasma for 60  
minutes



← Height histogram  
of surface



Surface of diamond  
after exposing  
 $H_2$  plasma for 120  
minutes



← Height histogram  
of surface

